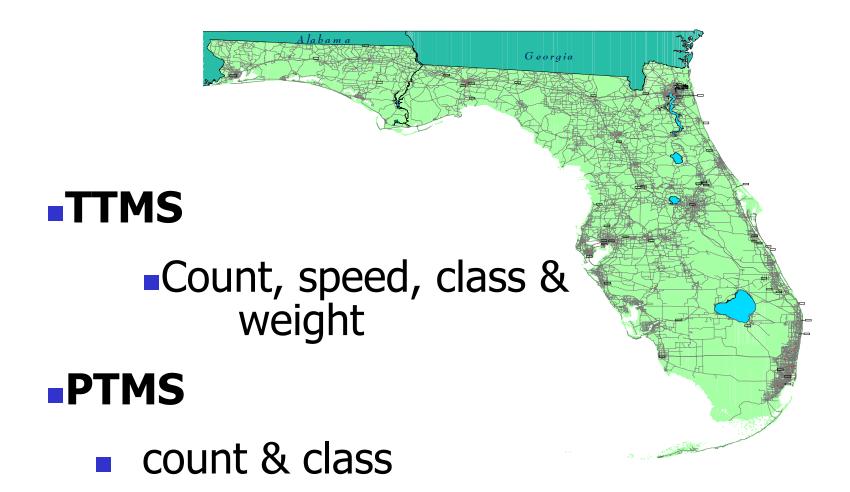


# NATMEC 2000 Presented By: Harshad Desai, P.E. Florida Department of Transportation

harshad.desai@dot.state.fl.us

#### Florida's Traffic Program





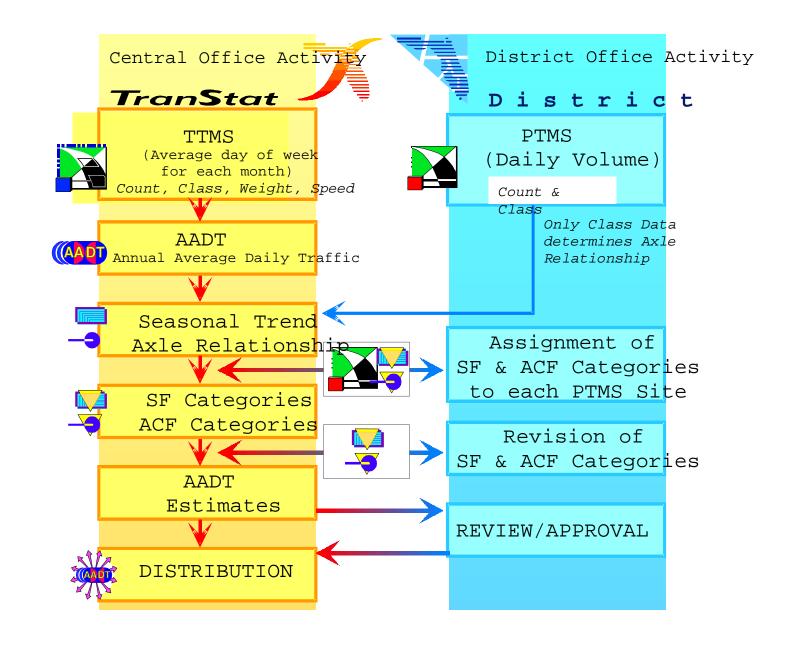
#### 300 TTMS

- Count 277
- Speed 245
- Class 245
- WIM 28



#### 7,000 PTMS

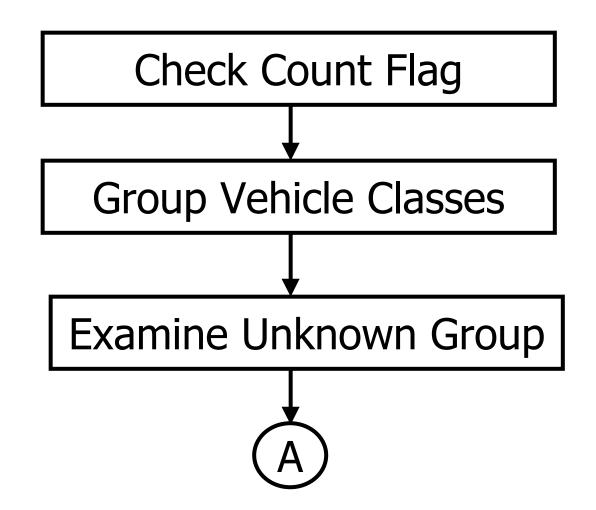
- Count 5,081
- Class 2,026



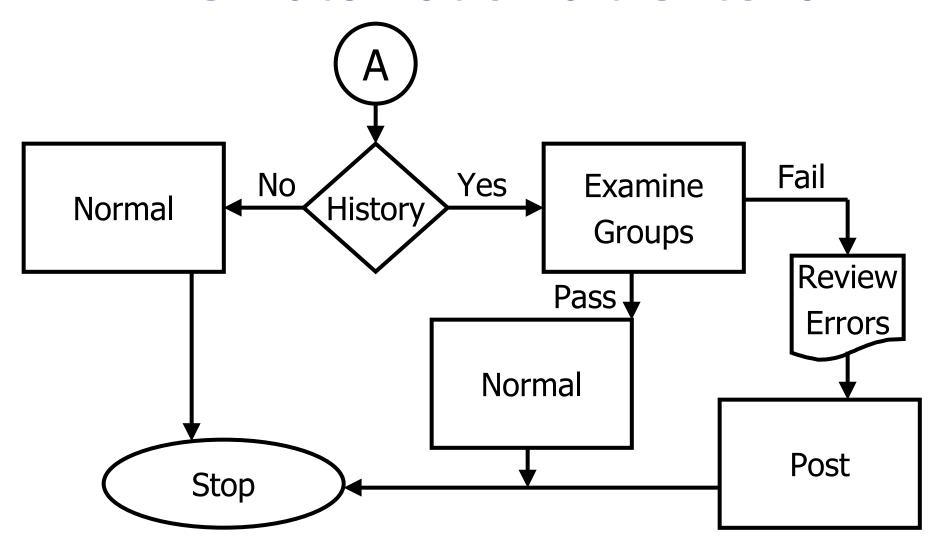
Com	petitive inologies		TRAFF	IC DATA SEC	TION				Pro	cess	Cont	rol S	ysten	1
Process Name: Collect, edit, process, and disseminate traffic data.			Primary Customers: Highway Designer, Pavement and Roadway Design, FHWA, government agencies, EOC, researchers, private business.				rement(s): Accurate traf	Quality Indica	itor(s):					
Flow Chart								Process and Quality Indicators		Checking / Indicator Monitoring				Miscellaneous Information
Dept / Person Step / Time	CUSTOMER	TRAFFIC DATA SECTION					DISTRICT	Process Indicators	Control Limits	Checking Item	Timeframe (Frequency)	Respon- sibility	Contingency Plans	- Abbreviations - Procedure
		Construction Sub- unit	Maintenance Sub- unit	Support Sub-unit		sing Sub- nit	PLANNING	Quality Indicators	Specs / Targets	What is to be checked?	When to check?	Who will check?	Actions req'd for exception?	Reference
Need	Need for accurate data		Plan Collection (TTMS)/le	dentify System Needs		•	Plan Collection (PTMS)							
Plan														
Implement		Implement/ Plan Site Installation, Reconstruction, or Repair												
			<u> </u>		1.									
		<b>↑ ↑</b>	Construct or Repair Site		•	-NO								
Maintain			Inspect Site											
			<u> </u>		/	Site								
Acceptance		No L	Site meets specs?	Yes——Yes——		vnloading data?	res J							
						Collect	<del>▼</del> Data							
Collection				No		Distr data	<u> </u>							
Edit		Yes		Inroad sensors?	Π Jo D	/Edit Data	Process/Edit Data SPS							
					Re	•port/End of	<del>↓</del> Year Report							
Report						<u> </u>	· 							
	Need Met →			Dissemina	te/ Produce	Traffic Data	Reports							
Approved: _			Da	ate:		Process	Owner:				Rev #:		Rev Date:	



#### TTMS Automatic Edit Criteria For Classification Data



#### TTMS Automatic Edit Criteria





#### Classification Edit Groups

Group	Vehicle Classes					
Motorcycles	1					
Passenger	2-3					
Single Unit Trucks	4-7					
Single Trailer Trucks	8-10					
Twin Trailer Trucks	11-12					
Very Large Trucks	13					
Unknown Vehicles	14-15					

#### TTMS Manual Edit Criteria





#### PTMS Edit Criteria

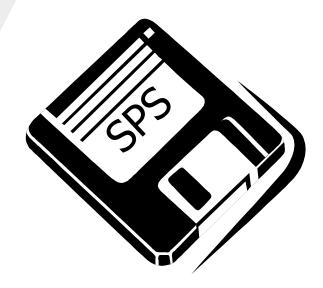
Survey

Processing

Software

(SPS)





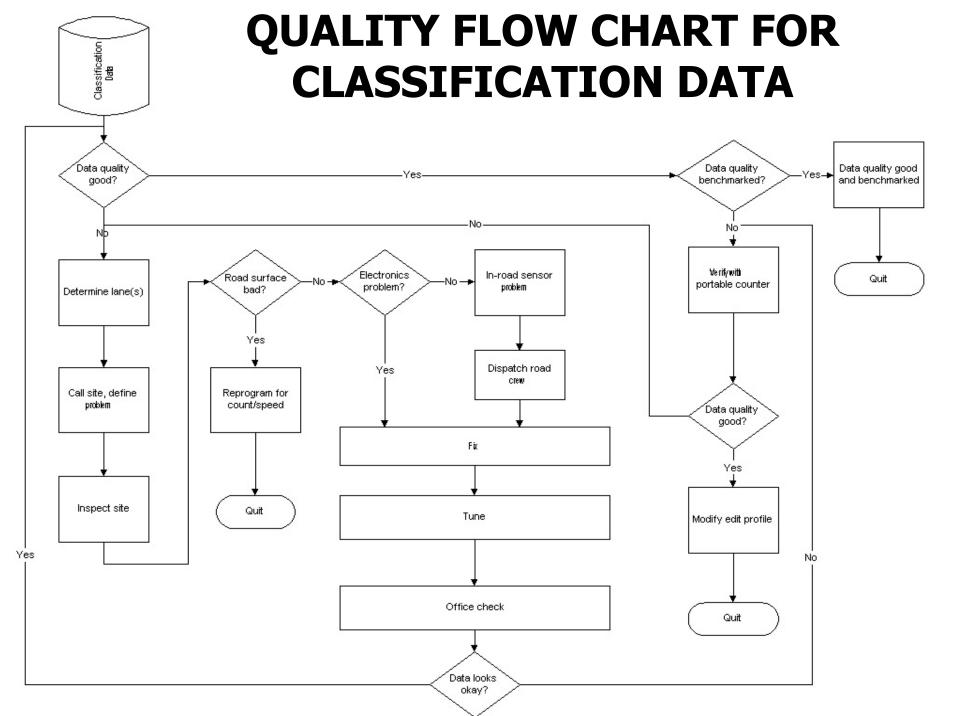


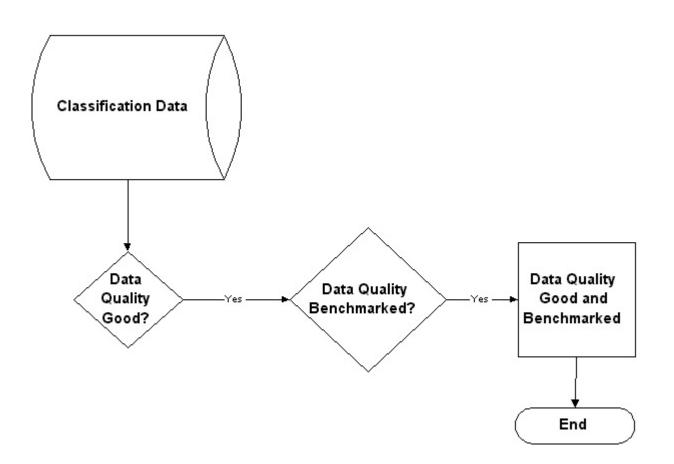
If you want different results you must change the process!

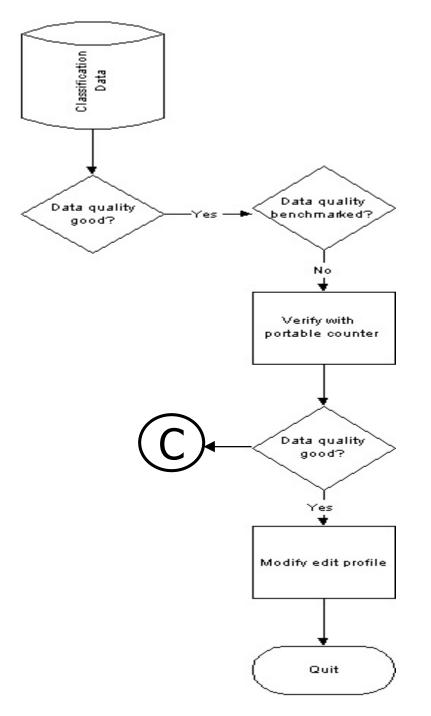


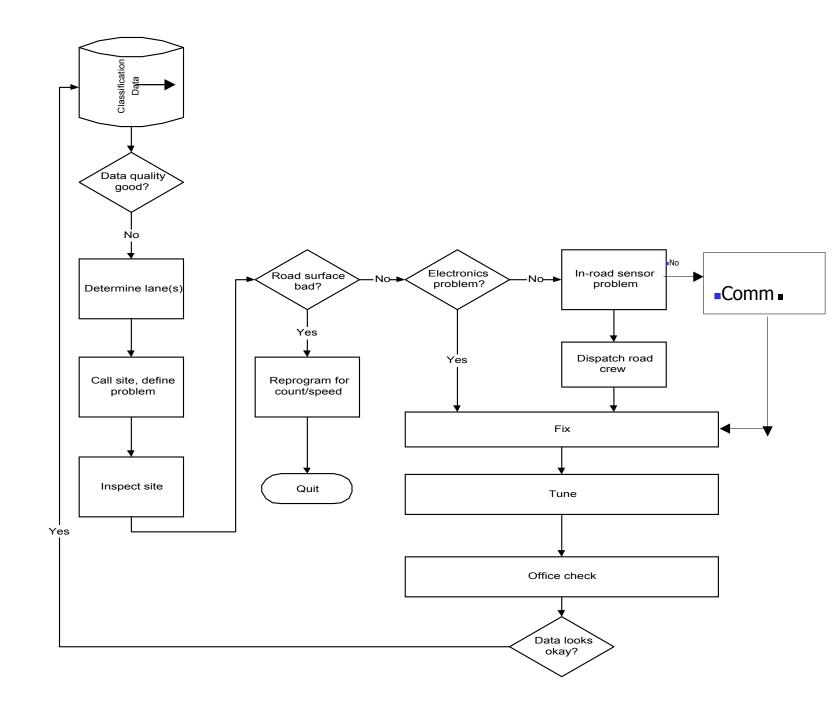
# Future of Quality Assurance of Classification Data

 Classification data collected in the field by equipment represents what is ACTUALLY present in the field.









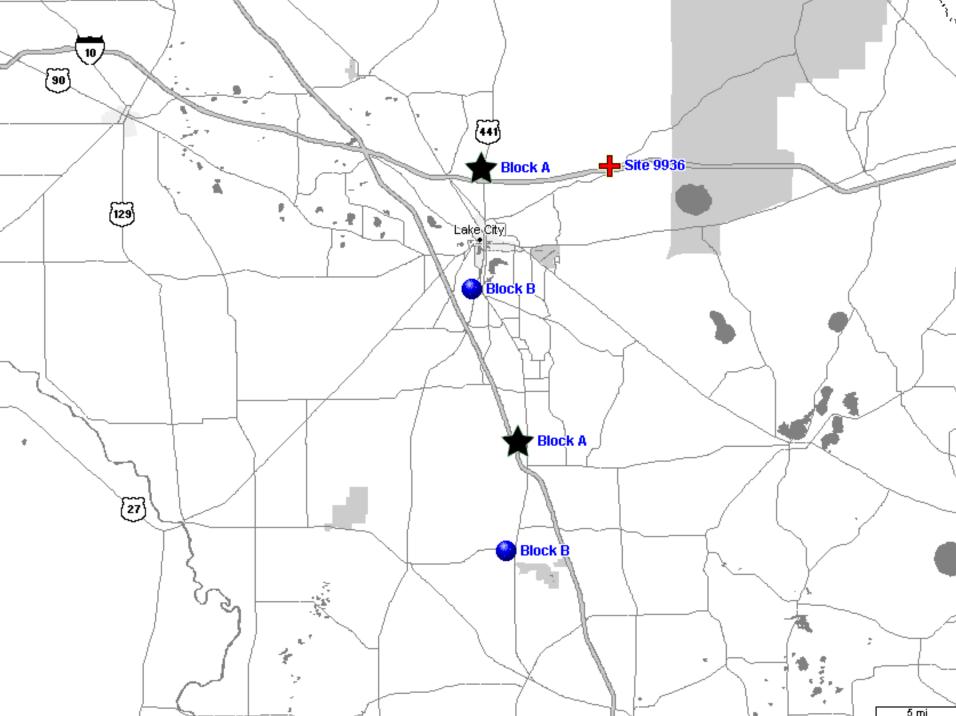
#### Case Study For Site 9936

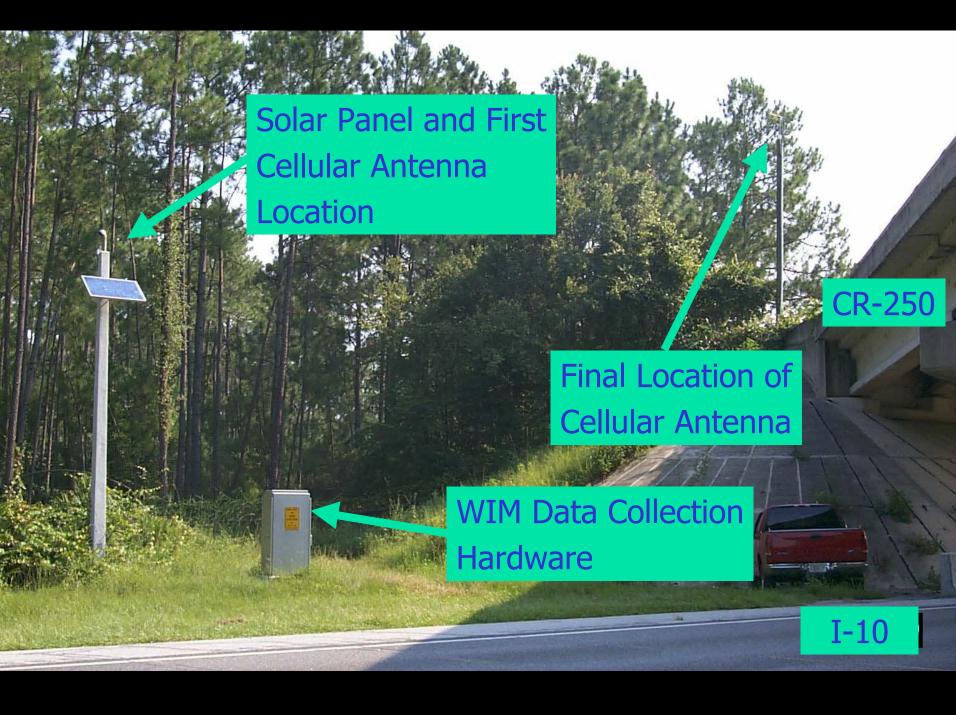


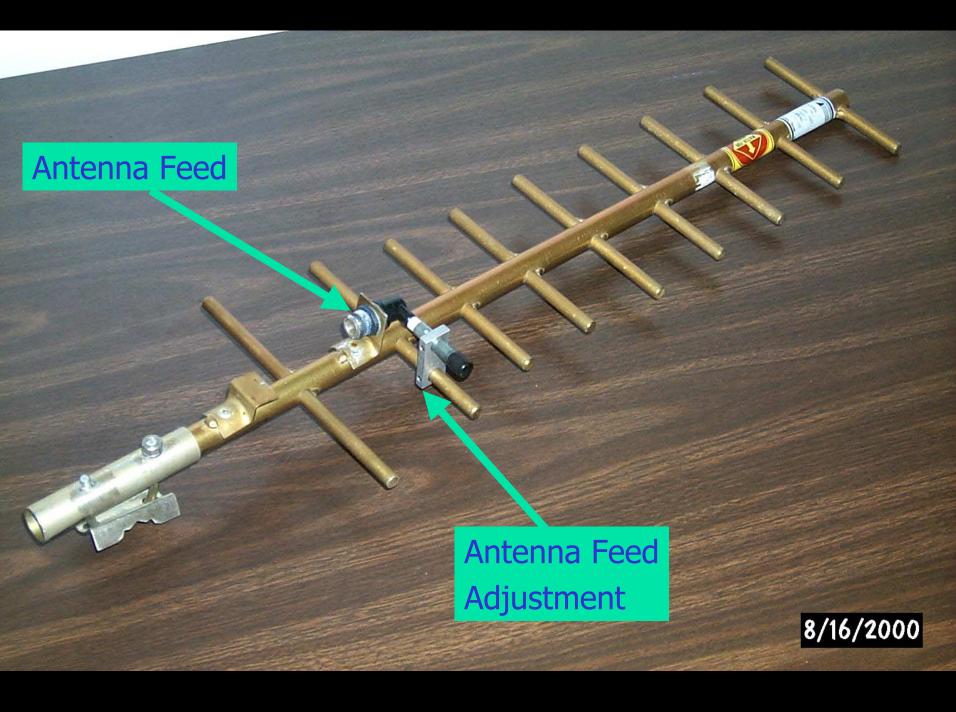


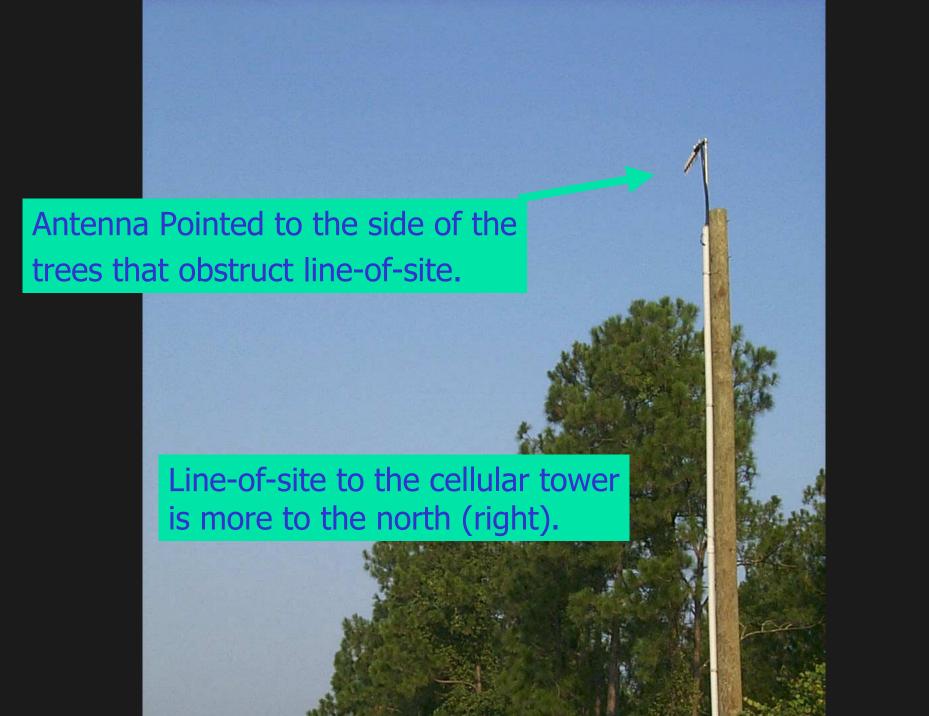
#### Remote Cellular Data Collection (Site 9936)

- Symptom: Unable to Establish Reliable Cellular Communication
- Site Conditions:
  - Remote Location
  - Large Files
- Problems: Site Selection and Installation





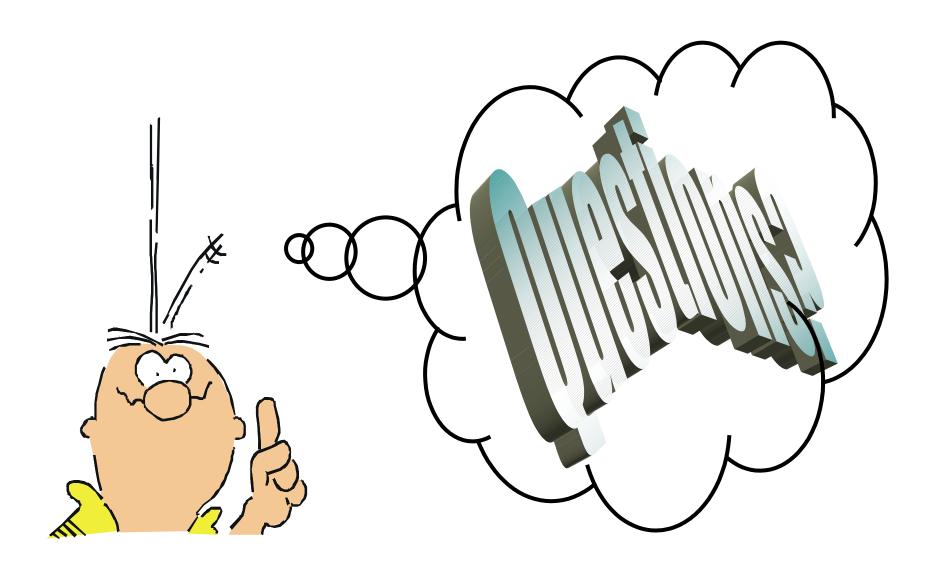






#### Results of Effort at Site 9936

- It Worked!
- Large Improvement in Signal Levels
  - More Reliable Communication
- Changed Cellular Provider
  - Nearer Tower
  - More Supportive
    - Helped with cellular modem problems
    - Provided technical support at the site
- Properly Aimed the Antenna





## Invites You To



### Orlando, FL May 12-16, 200<sup>2</sup>